

DEPARTMENT OF THE ARMY TECHNICAL MANUAL
DEPARTMENT OF THE AIR FORCE TECHNICAL ORDER

TM 9-8014 } DEPARTMENTS OF THE ARMY
TO 36A-1-401 } AND THE AIR FORCE
CHANGES No. 3 } WASHINGTON 25, D. C., 19 June 1958

OPERATION AND ORGANIZATIONAL MAINTENANCE:

1/4-TON 4 X 4 UTILITY TRUCK M38A1 AND

1/4-TON 4 X 4 FRONT LINE AMBULANCE M170

TM 9-8014/TO 36A-1-401, 6 April 1955, is changed as follows:

Page 4:

3. Forms, Records, and Reports

* * * * *

d. (Superseded) *Report of Unsatisfactory Equipment or Materials.* Any deficiencies detected in the equipment covered herein, which occur under the circumstances indicated in AR 700-38, should be immediately reported in accordance with the applicable instructions in cited regulation.

Page 18:

7. Tabulated Data

a. (Changed by C 1, 5 Jun 56, and further changed as follows:)

General Data.

* * * * *

Tires: (Superseded)

Pressure, highway	25 lb
Cross country	25 lb
Mud, sand, or snow	15 lb
Size	7.00 x 16

b. *Performance.*

* * * * *

Turning circle, diameter (M170):

Left	48 ft 4 in.
Right	49 ft 2 in.

AGO 6884B-June

Page 22:

11. Correction of Deficiencies

* * * * *

b. (Superseded) Serious deficiencies, which appear to involve unsatisfactory design or material, will be reported in accordance with AR 700-38.

Page 31:

35. Oil Pressure Gage

The oil pressure * * * graduations of 30 psi. Oil pressure under normal operating conditions is 30 to 35 psi and a minimum of 5 psi at 600 rpm. Absence of oil * * * has warmed up.

Page 50:

59. General Conditions

* * * * *

d. (Superseded) When chronic failure of materiel results from subjection to extreme conditions, report of the condition should be made in accordance with AR 700-38.

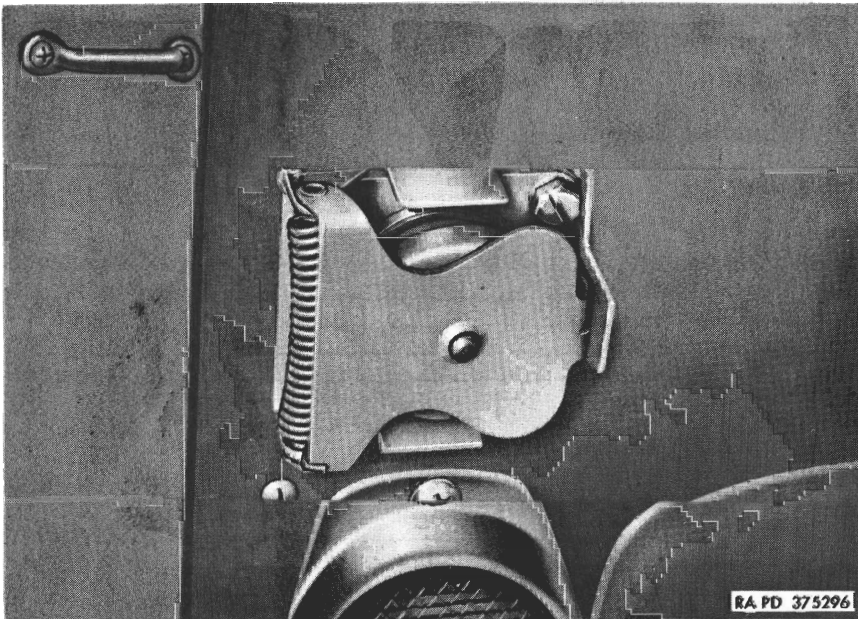


Figure 16 (Superseded) Trailer coupling connector receptacle.

70. General Lubrication Instructions

* * * *

e. Reports and Records.

- (1) (Superseded) Report unsatisfactory performance of prescribed petroleum fuels, lubricants, or preserving materials in accordance with AR 700-38.

Page 77, table III:

Add the following note under item 31.

Note. Remove the crankcase ventilator metering valve assembly and disassemble. Wash the valve, seat, and all orifices with dry-cleaning solvent or mineral spirits paint thinner to remove carbon or gum. Inspect and clean all connecting lines.

Page 78, table III:

Add the following note under items 37:

Note. Annually or every 12,000 miles, remove fuel tank assembly. Clean fuel tank compartment. Clean surface of fuel tank and spot finish where protective coating is worn, using enamel Stock No. 52-3465.300-010.

Page 170, paragraph 147b.

Change line 9 from "cam angle ---- 22°" to read: dwell angle ---- 38°.

Page 211:

169. Trailer Coupling Electrical Connector Receptacle (M38A1) (fig. 108)

• * • • •

b. Installation.

• * • • •

- (2) (Superseded) Insert receptacle into its mounting hole in body so hinge pin of cover will be on the left side in a vertical position and the polarizing bracket bottom prong on the right side, alining mounting holes in bracket, cover, and receptacle with mounting holes in body. Secure receptacle in position with four $\frac{1}{4}$ x $\frac{5}{8}$ lockwasher screws.

* * * *

Page 257, paragraph 213c.

Add the following note after (5).

Note. If spring scale is not available, a torque wrench can be used to determine correct adjustment of the steering knuckle bearing. Place a torque wrench on either of the two flange cap bolts nearest the steering knuckle arm. Adjustment is correct when the steering knuckle can be turned with 3 to 5 pound-feet torque.

(7) Position the front * * * the flange cap. Secure the guard to the cap and flange with two 3/8 x 1 1/2 bolts and lockwashers.

Page 259:

216. Rear Axle Shafts

a. Removal.

(5) Remove the six nuts and lockwashers from the bolts in the housing flange. Remove the grease * * * oil seal gasket (fig. 147).

c. Installation.

(7) Position the oil * * * and positioned parts. Place six 3/8 lockwasher nuts on the bolts and tighten the nuts to 25 to 35 pound-feet. Add or remove shims to provide axle shaft end play of 0.003 to 0.007 inch.

Page 260:

Change the nomenclature in figure 147, RA PD 181930, as indicated below.

<i>From</i>	<i>To</i>
LOCKWASHER NUT	NUT LOCKWASHER

Page 278, figure 159:

Delete the lubrication fitting on the axle housing and replace with plug.

Page 299:

248. Description and Data

b. Data. (Changed by C 1 and further changed as follows:)

Operating pressures:

Highway	25 psi
Cross country	25 psi
Mud, sand, or snow	15 psi

Page 370, Appendix References, line 12:

Change "Supplies and Equipment: Unsatisfactory Equipment Report ---- SR 700-45-5" to read: **Logistics (General): Unsatisfactory Equipment Report ----- AR 700-38.**

[AG 451 (9 June)]

By Order of *Wilber M. Brucker*, Secretary of the Army:

MAXWELL D. TAYLOR,
General, United States Army,
Official:

Chief of Staff.

HERBERT M. JONES,
Major General, United States Army,
The Adjutant General.

Distribution:

Active Army:

ASA (2)
CNGB (1)
Technical Stf, DA (1) except
CofOrd (19)
Ord Bd (2)
USCONARC (3)
US ARADCOM (2)
Rgn, US ARADCOM (2)
OS Maj Comd (2)
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Fld Comd, AFSWP (1)
MDW (1)
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Regt/Gp/Bg (1) except
Ord Gp (2)
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Sep Co (1)
Ord Co (2) except TOE 9-
12, 9-17, 9-46, 9-47, 9-
57, 9-229, 9-347, 9-367,
9-376, 9-377, 9-387 (none)
Ft & Camps (2) except
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USA Ord Sch
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Ord Sec, Gen Depots (5)
Ord Depots (10) except
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(Res) (1)
US Army Corps (Res) (1)
Ord Proc Dist (10)
MAAG (1)
Mil Mis (1)
JBUSMC (2)
JUSMAG (Greece) (2)

NG: State AG (6); units—same as Active Army except allowance is one copy to each unit.

USAR: None.

For explanation of abbreviations used, see AR 320-50.